

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

July 16, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
3033.1002-004

APPLICATION NO.
10/050,692

APPLICANT
Darrell H. Carney, et al.

FILING DATE
January 16, 2002

GROUP
1645

RECEIVED
JUL 25 2002

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA		5,352,664	10/04/94	Carney et al.	514	13	
AB		5,500,412	03/19/96	Carney et al.	514	13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL							
AM							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Alden, T.D., et al., "The Use of Bone Morphogenetic Protein Gene Therapy in Craniofacial Bone Repair," <i>J. of Craniofacial Surgery</i> 11(1):24-30 (2000).
AS	Lind, M., et al., "Osteogenic Protein 1 Device Stimulates Bone Healing to Hydroxyapatite-Coated and Titanium Implants," <i>J. of Arthroplasty</i> 15(3):339-346 (2000).
AT	Lee, Y.M., et al., "The Bone Regenerative Effect of Platelet-Derived Growth Factor-BB Delivered with a Chitosan/Tricalcium Phosphate Sponge Carrier," <i>J. of Periodontology</i> 71(3): 418-424 (2000).
AU	Brager, M.A., et al., "Osteogenic Growth Peptide Normally Stimulated by Blood Loss and Marrow Ablation has Local and Systemic Effects on Fracture Healing in Rats," <i>J. of Orthopaedic Res.</i> 18(1):133-139 (2000).
AV	Hong, L, et al., "Bone Regeneration at Rabbit Skull Defects Treated with Transforming Growth Factor- β 1 Incorporated into Hydrogels with Different Levels of Biodegradability," <i>J. of Neurosurgery</i> 92(2):315-325 (2000).
AW	Heckman, J.D., et al., "Bone Morphogenetic Protein But Not Transforming Growth Factor- β Enhances Bone Formation in Canine Diaphyseal Nonunions Implanted with a Biodegradable Composite Polymer," <i>J. of Bone & Joint Surgery</i> 81(12): 1717-1729 (1999).
AX	Radomsky, M.L, et al., "Novel Formulation of Fibroblast Growth Factor-2 in a Hyaluronan Gel Accelerates Fracture Healing in Nonhuman Primates," <i>J. of Orthopaedic Res.</i> 17(4):607-614 (1999).
AY	Boyan, B.D., et al., "Potential of Porous Poly-D,L-Lactide-Co-Glycolide Particles as a Carrier for Recombinant Human Bone Morphogenetic Protein-2 During Osteoinduction In Vivo," <i>J. of Bio. Materials Res.</i> 46(1):51-59 (1999).
AZ	Kato, T., et al., "Single Local Injection of Recombinant Fibroblast Growth Factor-2 Stimulates Healing of Segmental Bone Defects in Rabbits," <i>J. of Orthopaedic Res.</i> 16(6):654-659 (1998).

EXAMINER

DATE CONSIDERED

6/26/03

APR 10 03

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

July 16, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
3033.1002-004

APPLICATION NO.
10/050,692

APPLICANT
Jarrell H. Carney, et al.

FILING DATE
January 16, 2002

GROUP
1645

RECEIVED
JUL 25 2002

TECH CENTER 160072800

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR2	Kirker-Head, C.A., et al., "Healing Bone Using Recombinant Human Bone Morphogenetic Protein 2 and Copolymer," <i>Clin. Orth. & Related Res.</i> 349:205-217 (1998).
AS2	Kirker-Head, C.A., et al., "Long-Term Healing of Bone Using Recombinant Human Bone Morphogenetic Protein 2," <i>Clinical Orth.</i> 222-230 (1995).
AT2	Carney, D.H., "Postclotting Cellular Effects of Thrombin Mediated by Interaction With High-Affinity Thrombin Receptors," in <i>Thrombin: Structure and Function</i> , ed. Lawrence J. Berliner. Plenum Press, New York, 351-396, 1992.
AU2	Stiernberg, J., et al., "The Role of Thrombin and Thrombin Receptor Activating Peptide (TRAP-508) in Initiation of Tissue Repair," <i>Thrombosis & Haemostasis</i> 70(1):158-162 (1995).
AV2	Carney, D.H., et al., "Enhancement of Incisional Wound Healing and Neovascularization in Normal Rats by Thrombin and Synthetic Thrombin Receptor-Activating Peptides," <i>J. Clin. Invest.</i> 89:1469-1477 (1992).
AW2	Carney, D.H., et al., "Role of High-Affinity Thrombin Receptors in Postclotting Cellular Effects of Thrombin," <i>Seminars in Thrombosis and Hemostasis</i> 18(1):91-102 (1992).
AX2	Stiernberg, J., et al., "Acceleration of Full-Thickness Wound Healing in Normal Rats by the Synthetic Thrombin Peptide, TP508," <i>Wound Repair and Regeneration</i> 8(3):204-215 (2000).
AY2	Glenn, K.C., et al., "Synthetic Peptides Bind to High-Affinity Thrombin Receptors and Modulate Thrombin Mitogenesis," <i>Peptide Res.</i> 1(2):65-73 (1998).
AZ2	Sower, L.E., et al., "Thrombin Peptide, TP508, Induces Differential Gene Expression in Fibroblasts Through a Nonproteolytic Activation Pathway," <i>Exp. Cell Res.</i> 247:422-431 (1999).

EXAMINER

DATE CONSIDERED

PAPER NO. 8

REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

July 16, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
3033.1002-004APPLICATION NO.
10/050,692APPLICANT
Darrell H. Carney, et al.FILING DATE
January 16, 2002GROUP
1645RECEIVED
JUL 25 2002

TECH CENTER 1600/2800

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR3	Crowther, R.S., et al., "Thrombin Peptide TP508 Significantly Accelerates Repair of Fresh Fractures," Distributed at Texas Mineralized Tissue Society, Austin, Texas. August 1998.
AS3	Simmons, D.J., et al., "Acceleration of Rat Femoral Fracture Healing by a Synthetic Thrombin Peptide," Calcium Metabolism: Comparative Endocrinology. Proc Satellite Meeting, San Francisco, CA. Nov. 30, 1998. (Eds. C Dacke, J Danks, G Flik and C Gay). BioScientifica Ltd. Bradley Stoke, Bristol, UK. 1999.
AT3	Yang et al., "Accelerated Repair of Segmental Defects by a Synthetic Thrombin Peptide," Handout that was distributed at the Texas Mineralized Tissue Society Meeting, September, 1999.
EXAMINER	DATE CONSIDERED

paper NO: 8

NOV 15 2002
PTE-1449 REPRODUCED
PATENT & TRADEMARK OFF.

RECEIVED
NOV 19 2002
TECH CENTER 1600/2900

**SUPPLEMENTAL
INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

November 5, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
3033.1002-004

APPLICATION NO.
10/050,692

APPLICANT
Darrell H. Carney, et al.

FILING DATE
January 16, 2002

GROUP
1645

1647

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
RM	AC	5,876,452	03/02/99	Athanasidou et al.	623	16	1
RM	AD	6,001,352	12/14/99	Boyan et al.	424	93.7	1

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
RM	AL	99/08728	25-FEB-99	PCT			
RM	AM	02/05836	24-JAN-02	PCT			
RM	AN	02/07748	31-JAN-02	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RM	AU3	Bi, L.X., et al., "Thrombin Peptide TP508 Regulates BMP-2 and -7 Expression by Human Osteoblasts," <i>Journal of Bone and Mineral Research</i> 16(1):S261, (2001).					
RM	AV3	Wang, H., et al., "Effect of TP508, a thrombin-related peptide, on Cbfa1, VEGF, and collagen type II expression during femoral fracture healing," <i>Molecular Biology of the Cell</i> 2:243a, (2000).					

EXAMINER

DATE CONSIDERED

paper NO: 9